

2016 - 2017 Old Dominion University Catalog

Bachelor of Science in Computer Science (w/ VCCS Equivalencies)

Sample four year curriculum with a suggested ordering of courses. Students may re-order as needed.

** indicates not automatically waived with transferrable associates degree, C or better required for transfer.*

Courses in green are waived by the completion of an Associate degree (Not eligible for Applied Associate degrees).

YEAR 1 - FRESHMAN (30 CREDITS)

FALL SEMESTER (16 credits)

General Education and Major Coursework:

CS 150 (4 credits)

ENGL 110C

Philosophy and Ethics

Human Creativity

Language and Culture II

(May be waived, see catalog for details)

VCCS Equivalency:

CSC 201 or EGR 126*

ENG 111*

[Transfer Guide](#)

[Transfer Guide](#)

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SPRING SEMESTER (14 credits)

General Education and Major Coursework:

CS 250 (4 credits)

CS 252 (1 credit)

Interpreting the Past

ENGL 231C

Language and Culture II

(May be waived, see catalog for details)

VCCS Equivalency:

CSC 210* (TCC only)

ITN 171 or 271*

[Transfer Guide](#)

ENG 115 or 131*

[Transfer Guide](#)

YEAR 2 - SOPHOMORE (34 CREDITS)

FALL SEMESTER (17 credits)

General Education and Major Coursework:

Nature of Science I (must be in sequence)

Literature

Oral Communication (COMM101R preferred)

MATH 211 (4 credits)

CS 170

VCCS Equivalency:

[Transfer Guide*](#)

[Transfer Guide](#)

[Transfer Guide](#)

MTH 173 or 273*

CSC 205*

SPRING SEMESTER (17 credits)

General Education and Major Coursework:

Nature of Science II (must be in sequence)

MATH 212 (4 credits)

Human Behavior

CS 270

Information Literacy and Research
(CS 121G preferred)

VCCS Equivalency:

[Transfer Guide*](#)

MTH 174 or 274*

[Transfer Guide](#)

CSC 206 or 215*

[Transfer Guide](#)

YEAR 3 - JUNIOR (31 CREDITS)

FALL SEMESTER (16 credits)

Major Coursework:

CS 300T

Technical Elective**

MATH 316

CS 330

CS 300/400 level elective course**

VCCS Equivalency:

SPRING SEMESTER (15 credits)

Major Coursework:

CS 350

CS 355

CS 361

STAT 330

CS 300/400 level elective course**

VCCS Equivalency:

YEAR 4 - SENIOR (30 CREDITS)

FALL SEMESTER (15 credits)

Major Coursework:

CS 390

CS 410

Technical Elective**

CS 381

Upper Division Gen. Ed. Coursework:

300-/400-level course (Option D)

VCCS Equivalency:

SPRING SEMESTER (15 credits)

Major Coursework:

CS 411W

CS 417

CS 471

CS 300/400 level elective course**

Upper Division Gen. Ed. Coursework:

300-/400-level course (Option D)

**Please refer to the catalog and consult with your advisor for appropriate coursework.

Language and Culture may be waived, see ODU catalog.

Note: Upper division general education (minor) has other options, see catalog for requirements.

Computer Science majors may select their own electives from the CS offerings or may be guided by the following emphasis areas (up to six credits of work experience may be used): Database, Networking, Systems Programming, Web Programming, Game Programming, Cyber Security, and Miscellaneous. See catalog for specific coursework.

Computer Science majors must earn a grade of C or better in all (non-elective) computer science courses required for the major and in all computer science prerequisite courses.

Note: OEAS 106N & 107N may not be used to satisfy the Nature of Science I and II requirement.

Requirements for graduation include a minimum cumulative grade point average of 2.00 overall and in the major, a grade of C or better in all courses required for the major, including prerequisite courses, 120 credit hours, which must include both a minimum of 30 credit hours overall and 12 credit hours in upper-level courses in the major program from Old Dominion University, completion of ENGL 110C, ENGL 211C or 221C or 231C, and a writing intensive (W) course in the major with a grade of C or better, and completion of Senior Assessment.